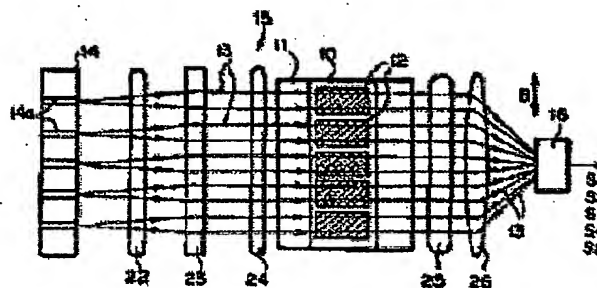


SURFACE PLASMON SENSOR**Publication number:** JP9292333**Publication date:** 1997-11-11**Inventor:** NAYA MASAYUKI**Applicant:** FUJI PHOTO FILM CO LTD**Classification:****- International:** G01N21/27; G01N21/55; G01N21/25; G01N21/55;
(IPC1-7): G01N21/27**- European:** G01N21/55B2**Application number:** JP19960109365 19960430**Priority number(s):** JP19960109365 19960430

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Abstract of JP9292333

PROBLEM TO BE SOLVED: To obtain the surface plasmon sensor, which can perform the analysis of many samples all together at one time, can secure the amount of beam light sufficiently for each channel and can obtain high analysis accuracy. **SOLUTION:** This surface plasmon sensor is provided with and constituted of a prism 10, a metal film 12, which is formed on one surface of the prism and in contact with a sample 11, a light source, which generates a single light beam 13, an optical system 15, which passes the light beam 13 through the prism 10 and applies the beam into the interface between the prism 10 and the metal film 12 so as to obtain various values of incident angles, and photodetector means 16, which can detects the intensity of the light beam 13 totally reflected from the interface 10a at every incident angle of various values. In this case, a semiconductor laser array 14, which has a plurality of light emitting parts 14a and whose each light emitting part 14a emits light beam 13, is used as the light source.



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